

REMARKS

Claim 9 has been amended to include the limitation of claim 11, which has been cancelled. Claim 10 has been amended to specify that the have at least 98% identity to SEQ ID NO:9. Support for this amendment is found, for example, at page 10 of the specification. No new matter has been added.

Applicants appreciate the withdrawal of the rejections based on the written description requirement of 35 U.S.C. §112, first paragraph.

Applicants appreciate the notification that claim 12 is allowable.

Rejections under 35 U.S.C. §112, first paragraph

Claims 9-11 were rejected as failing to meet the enablement requirement of 35 U.S.C. §112, first paragraph.

Claims 9 and 10 have been cancelled. Claim 11 has been amended to required that the polypeptide have at least 95% identity to SEQ ID NO:9. Claim10 has been amended to specify that the have at least 98% identity to SEQ ID NO:9. Claims 9 and 10 specify that the claimed polypeptide has methyltransferase activity.

As explained previously, the present specification provides considerable guidance for one skilled in the art wishing to make functional proteins having at least 95% identity to SEQ ID NO:9. For example, as noted previosuly, Table 3 of the specification identifies 4 motifs in SEQ ID NO:9 that are believed to be important for methyltransferase activity. In addition, also as noted previously, Figure 7 of the specification provides an alignment of the sequences of *A. summ*, *H. contortus*, *M. incognita* and *S. stercoralis* PEAMT1-like enzymes (SEQ ID NO: 7, 8, 9 and 10) and *C. elegans* PEAMT1-like polypeptides (SEQ ID NO: 19 and 20). This alignment allows one to readily identify conserved regions among the disclosed PEAMT1-like enzymes. Taken together, the identification of motifs and the alignment provide considerable guidance for one making functional proteins having at least 95% identity to SEQ ID NO:9.

In view of the forgoing, it is Applicants' position that the present claims are enabled and that the rejections under 35 U.S.C. §112, first paragraph should be withdrawn.

Applicant : Deryck J. Williams et al.
Serial No. : 10/602,268
Filed : June 23, 2003
Page : 4 of 4

Attorney's Docket No.: 12557-011001

A Notice of Appeal and a Petition for Extension of Time with the appropriate fees are also submitted herewith. Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: 6 August 2007

/Anita L. Meiklejohn/
Anita L. Meiklejohn, Ph.D.
Reg. No. 35,283

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

21544388.doc